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Audio Peak Limiter

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AUDIO PEAK LIMITER

**SENIOR DESIGN PROJECT
ELECTRICAL ENGINEERING TECHNOLOGY
Course No. 491
Dean Nold, Professor**

Prepared and Presented by

RON WARTZOK

December 6, 1978

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ABSTRACT --

The purpose for designing and building an audio peak limiter is basically two-fold. First, this peak limiter was designed specifically for Purdue-Indiana Theatre at the Fort Wayne Campus. The peak limiter will be used in a simple "public-address" type amplifier sound system used for monitoring the stage, so that the theater personnel can hear "what is going on" on stage from two enclosed booths. The limiter is to provide peak control of the audio level, thus reducing the distortion in the system caused by overdriving sound levels from the stage area, such as screaming actors.

The second purpose of this design is to utilize and determine the feasibility of the use of an electronic attenuator integrated circuit. This attenuator chip shall be the main "guts" of the total limiter, and it shall be the goal of this report and of this project to interface this integrated circuit to produce a usable instrument as an audio peak limiter.

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